The Campaign Begins

the CANNON

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"Yes" to Incorporation?

Referendum Passes, But Process Delayed

by John Byrne
Vice-President: Administration

The incorporation of the Engineering Society was approved by the members in the referendum held on Feb. 5th and 6th. A total of 299 students voted with 287 voting 'yes' and 12 'no': a 96% affirmative margin. Although this turnout was very low, (only 11.5%), it is comparable to those of other campus elections. (For example, the Graduate Students Union fees referendum had a 15% turnout.)

The next step in the process towards incorporation was to be the presentation of a proposal (along with the referendum results) to the Feb. 24th meeting of the University's Committee on Campus and Community Affairs. However, the subject was not included on the agenda at that meeting. The chairman of the committee, Tom Simpson (Ind. Eng. 7T8), decided that Governing Council should study student society incorporations in general before proceeding with the matter. Simpson believes that there are a number of disadvantages associated with the Eng. Soc. Incorporation and that there are a number of viable alternatives available. He is attempting to organize a meeting with representatives from Eng. Soc., SAC (incorporated under the Federal Corporations Act), and the U of T Administration and its lawyers to discuss the situation.

Possibly, a policy can be formulated soon so that the Engineering Society's incorporation can be proposed at the next committee meeting in March and then submitted to Governing Council for final approval by the University. Hopefully, Governing Council will react favourably towards the matter after studying the referendum results. Next, the Society applies to the Ontario Government.

This delay means that the Society will not be incorporated by the Joint Council Meeting March 31st, but the Engineering Society executive is working to achieve incorporation by April.

Grad Ball, the annual coming-out party for hundreds of fourth year engineers, takes over the Harbour Castle Hilton Saturday, March 21. Tickets are $70.00 from Club Chairmen.

This Month

Candidates' Messages

The candidates for election to the five elected positions of the Engineering Society describe themselves and their platforms..... Pages 2 and 3

Engineering This Month

Elections and midterms are not the only events in March.....Page 4

A Computerized Typewriter

by John Samochin
Eng. Sci. 8T3

Network Data Systems, a Canadian company based in Toronto, has announced a new breakthrough in computer technology. This state-of-the-art development is in the form of a typewriter-computer interface. It easily adapts to existing Olivetti electronic typewriters and to a complementary computer system, making the typewriter an interactive computer terminal as well as a word processing printer and an electronic mail facility while retaining its original typing function. In the past, such computer-typewriter interfaces have been 'one-way' with the typewriter acting as an on-line printer alone. Network Data Systems, hwever, is now presenting a true 'two-way' communications interface for a typewriter operating at its optimum speed.

The major advantages of this computer interface are its convenience and low cost. Instead of spending upward of $4500 for a word processor, the NDS terminal can be purchased for as little as $2600 with an upgrading kit available for existing electronic typewriters. Small businesses can now have the advantage of a comparatively low-cost terminal at a marginal expenditure over that of the required electronic typewriter.

The interface itself is powered by an Intel 8085 processor which is used by most microcomputers. Witb 2K of control storage and 1K of data storage, the interface unit interacts quickly with the computer and the typewriter circuitry. NDS's new device is an EIA (RS 232C) interface capable of interacting with more than 90% of modern installed computers, since most of these computers use the RS232C circuitry. The flexibility of the interface allows it to be connected to such computers as the Apple, PET, TRS-80, Atari, Cado, Texas Instruments, IBM, DEC, Hewlett-Packard, Burroughs, Honeywell and Univac. It also allows the typewriter to drive the computer system where all of the electronics of the Olivetti keyboard are duplicated.

continued on page 4

the CANNON

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THE CANNON is a publication of the University of Toronto Engineering Society. It is published monthly to announce Eng. Soc. events, discuss Faculty and University matters, and present technical information of interest to Engineering undergraduates. Subscriptions are available, call Ella at 978-2917. Anyone interested in helping with THE CANNON is most welcome.

THE CANNON encourages submissions; please type or write legibly. Deadline for articles is one week before publication date, notices and letters by 5:00 p.m. the Friday prior to publication. Comments on THE CANNON or articles appearing in it are appreciated. The editors reserve the right to edit letters for brevity.

555 Ticket

Pictured: Martin Tarvydas, Dyan Aitken, Marko Pidhirsky, Ira Rotenberg, Dennis Mitchell

In the picture above you see the five members of the 555 ticket running for the executive positions of the Engineering Society. We feel that our policy of Unity in Representation will provide the Engineering faculty with a fresh new outlook. This is needed to preserve the Engineering reputation on campus as well as generating a greater spirit among the students. Council in the past has failed to take a strong stand on key issues that directly affect the Engineering student. We are positive that working closely with the Toike editor and providing proper staffing and funding will ensure the survival of the Toike. It will be our policy of nonrecognition of groups or committees that are detrimental to the Society and students.

We strongly feel that new events have to be created to kill the apathy that is strongly overtaking this faculty. Such events are an All-You-Can-Drink Stag Night as well as a Part-time Pub for the Sir Sanford Fleming building when it opens in 1982. It is our belief that if you want the Society to remain the way it has been run, Vote for another ticket.

Marko Pidhirsky
President

Marko Pidhirsky, a second year Industrial Engineer, is running for President on the 555 ticket. During his two years in this faculty he has been an integral part of Skule activities. Marko has been deeply involved in many activities including Skule Nite, Cannonball, Orientation, Toike Oike, LGMB and various other events. A long-standing member of the 555 co-op, he is a respected member of this ticket and can achieve great accomplishments in conjunction with his fellow members. As for himself, Marko Pidhirsky says:

'The job of the president of the Engineering Society is a very difficult and demanding one. It requires an almost unlimited amount of care and concern. One has to feel a special loyalty in order to put in all the time necessary to be a good president. I, Marko Pidhirsky, feel that I can give of myself that loyalty and devotion to become a very good president. I know I can instill a feeling of pride and Skule spirit in the students enrolled in this fine faculty and make this next year a foundation for a new generation of engineers.'

Ira Rotenberg
VP: Admin.

For those who don't know me, I am Ira Rotenberg (2nd year industrial). I am running for Vice-President of Administration in coordination with four other capable candidates on the 555 ticket. My involvement with the Engineering Society for the last two years covers a large spectrum of events. As well as being class rep, C.C. club president and a member of the 555 co-op, I have been a member of the cast of Skule Nite for the last two years. I have also been behind the bar for most of the pubs in the last year. I feel that my involvement provides me with the experience and responsibility of being V.P. Administration for the Engineering Society.

Dyan Aitken
VP: Activities

My name is Dyan Aitken. I am a first year chemical Engineering Society representative for Group B and am campaigning for the position of Vice-President of Activities on the 555 ticket. I believe that great improvements can be made on the variety of activities offered during the year for all engineers, and that the present activities offered need up-grading. I am running with the 555 ticket because a good working relationship is essential among the Engineering Society executive and I know that our ticket can accomplish great improvements for the engineering students.

Martin Tarvydas
Treasurer

My name is Martin Tarvydas and I am running for Treasurer. Since I have worked alongside last year's treasurer (Spiros Pantziris) I feel that I have a definite understanding of what this position will entail. I am aware of my responsibilities and the amount of time I will have to allocate to this position.

This year I was elected as chairman of the 555 Club and have 'banked' for several occasions. Along with this position I was appointed assistant treasurer by Spiros Pantziris.

Dennis Mitchell
Secretary

My name is Dennis Mitchell. I am a first year (again) Industrial. I am running for secretary in co-ordination with the other capable candidates. I've been involved with the engineering orientation and was class rep last year.

Editorial

How to Pick a Winner

Once again, the Society is calling on its 2500 undergraduate members to elect its five officers: President, Vice-President (Administration), Vice-President (Activities), treasurer and secretary. (On the ballot, each candidate for each position is listed individually. It is not necessary to accept or reject entire "tickets".) If you are an undergraduate Engineering student, you are eligible to vote; but *should* you be eligible to vote?

Every election involving a large group of people as constituents contains a "random element": the uninformed majority. If you are only able to judge candidates by their appearance, it would be advantageous to become better informed.

In order to make an informed decision you should view the candidates as an employer would view job applicants.

First, study their resumes. The candidates' statements are located on pages 2 and 3 of this issue. Please read them and be sure to separate "the wheat from the chaff:" look for statements which distinguish each candidate from his opponents. 'Good packaging' statements such as "We think Engineering is a great faculty" do not allow the electorate to distinguish between sincere and insincere candidates.

Next, the employer would interview the applicant. Take the opportunity to ask the candidate to clarify or substantiate his claims. For example, being "involved" in orientation can include renting buses, organizing pubs, booking Exhibition Stadium or lounging around at Hart House Farm.

Finally, you must use this information to decide whether or not a candidate can deal effectively with the issues facing Engineers at U of T: the image of Engineers on campus and off; the apathy manifested in the on-again, off-again Toike Oike; the financial and legal aspects of running the Society smoothly; and, the issue often ignored, our effective development into professional engineers.

At the polling booth, you should ask yourself, "Would I hire this person?"

A Capable and Experienced Executive

In the past the Engineering Society has been a driving force behind campus activities and a leader among other engineering societies. The University of Toronto Engineering Society cannot maintain this position without hard work and fresh ideas. As an example, the Chariot Race has been traditionally renowned campus-wide for its Skule spirit. As the highlight of Godiva Week it promotes a healthy rivalry between the departments. More events of this nature added to Godiva Week would improve student interest in Society activities.

Maintaining the Society's prominent position requires a capable and experienced executive. On March 5 and 6 you have the opportunity to put such a group in office. Elect Diane Kapica, John Voss, Joe Facca, Barry Levine and Margie Bawden.

Seated Front: Barry Levine, Diane Kapica
Standing: Joe Facca, Margie Bawden, John Voss

Diane Kapica
President

The President is the coordinator of Society affairs and the official Engineering Society representative. Diane Kapica, as Secretary of the Engineering Society this year, has acquired a good knowledge of the workings of the Engineers' student council. Her experience as a class rep in first and second years gave her the necessary background about the Society's function and operation, and together with her experience this year, Diane has seen the practical mechanisms of the Council's scope of activities. She is capable of accepting the responsibilities associated with being President of the Engineering Society, and is able to communicate tactfully and effectively in representing the Engineering Society to other organizations, both on and off campus.

Diane took part in organizing this year's Orientation as well as being a member of the Women's Committee. In addition, she was concerned with a variety of other Engineering Society activities. Diane has been a participant on several interfaculty athletic teams, and is actively continuing in this involvement. She hopes to see the dominance of Skule athletes in the university intramural program continue. Diane also enjoyed being a member of the cast of Skule Nite 8T1. She is willing to contribute the time and effort to demonstrate to the general community that engineers possess a panache that they have a right to be proud of. Her enthusiasm and experience are extremely useful qualities for the Engineering Society Executive in the next school year and make her the qualified candidate for President of the Eng. Soc. in 81/82.

John Voss
VP: Admin.

John Voss has the organizational skills and the knowledge of Society affairs necessary for the administration of Engineering Society business. This year, under John's editorship, the Cannon has successfully fulfilled its purpose of informing Society members of the things that affect them as undergraduate engineers, and has provided them with interesting and informative technical material. The Cannon is distributed to alumni, other engineering schools, and dozens of high schools, and it raises the profile of the Society and its achievements. This year the paper finally meets a regular publishing schedule and is well under budget.

Researching and editing the paper has given John access to the decision-makers in this year's Society. He has talked to the students and faculty involved in every Society activity from Orientation to Incorporation to the Toike controversy.

John was yearbook editor last year and his involvement in the Society was recognized when he won the Engineering Society Centennial Award. This year he is nominated for the Semi-Centennial Award. He has attended every Executive and Council meeting this year, although not a member of either body. He was an Eng. Soc. representative at the RESSA conference in Montreal and CCES in Kingston, and traded ideas with Engineering students from across Canada.

Joe Facca
VP: Activities

The V.P. Activities, through committees, is responsible for all Engineering activities, from Pubs and BFC(?) Capers to sending students on Professional Development conferences. The position requires a person familiar with past Eng. Soc. activities so as to ensure that such events are well-received, well-managed, and that improvements are made to those activities that have not been successful.

Joe Facca has the experience in the Engineering Society to do this job. In the current year, he is co-chairman of the High School Liaison Committee. This gives him valuable insight into the problems encountered at the committee level, enabling him a good understanding of procedures and management of the various committees. Also as co-chairman, he has shown initiative in starting programs that get more students involved in the presentation of the Faculty to high school students. This committee is also currently preparing a brochure to be sent to all Ontario high schools. Joe was also the volley-ball commissioner on the EAA, and in this capacity, he learned much about the organization involved in sports activities. Having experienced the drive and spirit of the Engineering athletes as a player on the volleyball team, Joe is developing a proposal to coordinate Eng. Soc. events with important sports events.

Joe has been a class rep for the last two years and has been an active member of the social committee. This year, Joe has been involved in the organization of such activities as Orientation, Oktoberfest and the reception at the Cannonball. He was also responsible for hosting the judges at the Homecoming parade. Joe Facca has the spirit and experience to be V.P. Activities.

Barry Levine
Treasurer

The position of Treasurer requires a straightforward, organized approach to the maintenance of the Engineering Society's financial records. Barry Levine also sees the position as a chance to get actively involved in other aspects of the Society. He has already been involved in the Engineering Society, having been elected class rep and First Year Chairman. These positions involve sitting on both Council and Executive meetings, which gives him an understanding of the Society's operations. As well, Barry has organized the First year Chariot and has experience in organizing pubs. Previously, Barry was involved in student councils and spent two years as a yearbook editor, giving him added experience and organizational skills, both of which are necessary in keeping the Society books in good order. His enthusiasm and past experience indicate that it would be a big plus to have him on the executive.

Margie Bawden
Secretary

The Secretary's position requires an awareness of Society activities and an ability to faithfully record Eng. Soc. events and affairs. Margie Bawden is active both on and off campus. In her first year she was a representative to the Mechanical Department's Staff/Student Council. In this, her second year, she is class rep to the Faculty Council as well as being a member of the Women's Committee. Off campus, Margie is the Social Chairman of a women's fraternity.

Through involvement in Ehgineering Society Activities, Margie has gained the kind of experience that is necessary for her to be an active member of that Council. A keen interest in Society activities and enthusiasm for the job make Margie Bawden a good choice for Secretary of the Engineering Society.

These five individuals have the desire and experience to form a united Executive for the Society. As students, it is your responsibility to elect such a group. On March 5 and 6 take Pride In Skule: elect Diane Kapica, John Voss, Joe Facca, Barry Levine and Margie Bawden.

The Engineering STORES

Sporting Bags Small $19.99
Large $25.99

Engineering T-shirts
Reg. $5.00 Now $4.50

Engineering Notebooks
Reg. $0.75 Now 3/$2

Phone 978-2916
8:45 a.m.-4:15 p.m.
(plus or minus ten percent)

TI 57 Calculator $64.95
Texas Instruments Digital Watches $21.95

$3.50

The Book of Skule 81

Advance purchases from your class rep or the Engineering Stores.

mailer and postage $1.50 extra

Engineering This Month

If you are organizing an event, or know of one, that would be of specific interest to Eng. Soc. members, please drop a short note about it in the Tiny Toike box in the Society offices or contact Ella at 978-2917. It will be listed here free of charge. Suitable events might include Eng. Soc. committee meetings, talks, seminars or presentations given on or off campus by University groups or outside organizations.

Thursday March 5 and Friday March 6
Engineering Society Elections

Polling booths will be set up in the Galbraith bldg. and Metro Library during the two days of elections. Consider the candidates carefully before you vote: this is an important election.

Friday March 6
'Rites of Spring' Pub

This year's celebration (of the rebirth of nature) gets underway at Wetmore Hall, New College.

Monday March 9 to Friday March 13
Class Rep Elections

Second and Third Years elect their new Eng. Soc. and faculty Council reps for 1981-82 this week. Listen for announcements in class.

Friday March 13
S-Dance

The Engineering Athletic Association's annual dance takes place in the Great Hall at Hart House. Admission is $1.00 and the Happy Half-Hour kicks off the festivities at 7:30 p.m. Tickets available at Engineering Stores.

Monday March 16

Pre-Grad Ball Dress and Department lecture in MC102 at 5:00 p.m. Students in all years are welcome to attend this entertaining lecture 'starring' Professor Emeritus L.E. Jones.

Saturday March 21
Grad Ball

The Harbour Castle Hilton is host to the students of the class of 8T1 from sundown to sunup this year. Dinner, dance and departmental suite parties are included in the $70.00 per couple. Tickets available from all club chairmen.

Summer Jobs

CPPC Career Counselling & Placement Centre

The jobs listed here are summer employment opportunities. Space does not allow the printing of graduate openings. For more details on the positions available, and for application procedures, contact the Career Counselling and Placement Centre at 344 Bloor St. W. near Spadina.

Pratt & Whitney Aircraft of Canada Ltd. Third year Mechanical Application deadline: March 6.

Canada Wire and Cable Ltd. Second and third Year Mechanical, Civil and Electrical.
Deadline: March 6 (send resume to company)

Xerox Research Centre of Canada. Second and third year Electrical and Engineering Science: should have experience in construction of digital circuits. First year Mechanical, Electrical: Should have mechanical skills, experience with electronic circuitry.

Atomic Energy of Canada Ltd. Third or fourth year with honours standing. Whiteshell Nuclear Research.

Bema Industries Ltd. Geological assistants for positions in Yukon and B.C. Ask at the summer desk.

Canadian Occidental Petroleum. Geological, all years. Ask at the summer desk.

THE ENGINEERING ATHLETIC ASSOCIATION
PRESENTS
THE ANNUAL

S-DANCE

MARCH 13
TO BE HELD IN THE GREAT HALL
OF HART HOUSE
ADMISSION — $1.00
INCLUDES FREE DRINK

Complimentary Buffet
No Jeans

7:30 — Happy Half-Hour
8:00 — Awards Presentation
9:00 — Dancing (D.J.)

New Interface

continued from page 1

Although the NDS interface has been designed for an Olivetti typewriter, the company asserts that similar interfaces can be designed to easily accommodate other makes of typewriters.

The interface will not only serve all manner of business processes, but has educational applications and fits well into the growing personal computer market. In the educational field, one machine can be used to teach typing, word processing and computing.

In late 1981, CNCP and Bell Canada will introduce public telecommunication systems to the market. As a result, the world-wide Telex system and its eight hundred data bases in North America alone will be accessible to both an interactive terminal and a hard copy printer via an electronic typewriter.

NDS claimd that even the smallest business can enjoy the benefits of such a versatile printer. (Initial marketing in Canada includes pilot installations at the University of Toronto, Guelph General Hospital and Bell Northern Research.